

19
6
436
JOURNAL

OF THE

Pat 1
3152
5122
American Veterinary Medical
Association

FORMERLY

AMERICAN VETERINARY REVIEW

Original Official Organ U. S. Vet. Med. Ass'n.

Edited and Published for the

AMERICAN VETERINARY MEDICAL ASSOCIATION

By

H. PRESTON HOSKINS, CHICAGO, ILL. 6

EXECUTIVE BOARD

CASSIUS WAY, Member-at-Large and Chairman;

J. C. FLYNN, ex-officio; R. S. MACKELLAR, ex-officio;

A. E. CAMERON, 1st District; E. P. ALTHOUSE, 2nd District; L. A. MERRILLAT, 3rd District;

WM. MOORE, 4th District; H. C. H. KERNEAMP, 5th District; L. M. HURT, 6th District;

C. H. HAYS, 7th District; L. J. ALLEN, 8th District; H. W. JAKEMAN, 9th District;

O. V. BRUMLEY, 10th District.

Volume LXXXVIII

NEW SERIES VOLUME 41

January, 1936, to June, 1936

CHICAGO, ILL.

1936

INDEX OF AUTHORS

SF601
A5

- Amadon, R. S., 737.
- Anderson, G. W., 375.
- Asmundson, V. S., 154.
- Beaudette, F. R., 475.
- Blester, H. E., 714.
- Boyd, W. L., 489.
- Boynton, William Hutchins, 500.
- Brandly, C. A., 587.
- Bullard, J. F., 180, 632.
- Bunyea, Hubert, 386.
- Busic, W. H., 397.
- Camargo, Fernando, 81.
- Cameron, Thomas W. M., 282.
- Cannon, Paul R., 225.
- Carpenter, Cliff D., 709.
- Clark, C. F., 62.
- Cole, H. H., 12.
- Craige, A. H., 737.
- Creech, G. T., 310.
- Curry, H. E., 334.
- Davis, C. L., 175.
- DeCamp, C. E., 66.
- DeFosset, A. J., 352.
- Delez, A. L., 24.
- Doyle, L. P., 636.
- Emmel, M. W., 45, 630.
- Escalona, Javier, 81.
- Eveleth, D. F., 714.
- Feldman, William H., 51, 166.
- Fenstermacher, R., 600.
- Fitch, C. P., 258.
- Flynn, J. C., 173.
- Foster, S. B., 253.
- Gibbs, Charles S., 413.
- Gierke, A. G., 76.
- Giltner, L. T., 363.
- Giltner, Ward, 275.
- Graham, Robert, 614, 763.
- Hagan, W. A., 502.
- Harrison, James B., 701.
- Hart, G. H., 12.
- Hermann, A. A., 706.
- Herms, William B., 500.
- Hinshaw, W. R., 76, 154.
- Hofferd, R. M., 299.
- Honess, Ralph F., 756.
- Horning, J. Gilbert, 83.
- Howarth, J. A., 628.
- Howell, D. E., 500.
- Hudson, C. B., 475.
- Huffman, Jane, 468.
- Johnson, E. P., 375.
- Kemper, H. E., 175.
- Kernkamp, H. C. H., 732.
- Kingman, H. E., 126.
- Knapp, Jr., Bradford, 630.
- Lubbehusen, R. E., 397.
- Mathews, Frank P., 55.
- Mayer, Oscar G., 119.
- Merillat, L. A., 641.
- Mohler, W. M., 624.
- Morrill, C. C., 764.
- Morris, M. L., 460.
- Olson, Carl, 51.
- Patterson, E. E., 184.
- Patterson, F. D., 32.
- Pendergast, W. M., 74, 75.
- Prescott, T. H., 468.
- Ranney, A. F., 242.
- Records, Edward, 233.
- Rogers, Charles F., 489.
- Schlotthauer, Carl F., 451, 755, 758
- Schoening, H. W., 310.
- Shahan, M. S., 363.
- Smith, Hilton, 761.
- Stader, Otto, 578.
- Stalker, Leonard K., 755, 758.
- Starr, L. E., 468.
- Thomas, E. F., 766.
- Torrey, J. P., 614.
- Traum, J., 316.
- Udall, D. H., 289.
- Wight, A. E., 249, 347.
- Wisnicky, Walter, 338.
- Whitlock, J. H., 764.
- Wolff, Luther H., 451.
- Woods, Gladys M., 500.
- Yamashiro, Yoshio, 714.
- Zeissig, Alexander, 139.

M. L. 610/57

LIST OF ILLUSTRATIONS

FOWL LEUKOSIS, 32.

- FIG. 1. Liver and spleen of lymphoid leukosis case, 33.
 FIG. 2. Microscopic study of section from lymphoid neoplastic tissue, 34.
 FIG. 3. Liver of lymphoid leukosis case, 35.
 FIG. 4. Microscopic study of section from nerve affected with fowl leukosis, 37.
 FIG. 5. Section through brachial nerve plexus and brachial region of spinal cord of nerve-type leukosis case, 38.
 FIG. 6. Blood picture. Case diagnosed as erythroleukosis, 39.
 FIG. 7. Another blood picture, 40.

HEMOCYTOBLASTOSIS AND ITS RELATION TO THE DEVELOPMENT OF FOWL PARALYSIS AND FOWL LEUKEMIA, 45.

- FIG. 1. The growth curve of 10 normal Barred Rock chickens and 10 Barred Rock chickens, 47.

THE TOXICITY OF BROOMWEED (*GUTIERREZIA MICROCEPHALA*) FOR SHEEP, CATTLE AND GOATS, 55.

- FIG. 1. *Gutierrezia microcephala*, 56.
 FIG. 2. Photomicrograph of a section from a kidney showing hemorrhage into Bowman's capsules and tubules, 59.
 FIG. 3. Photomicrograph of a section from a liver showing liquefaction necrosis of the liver cells, 60.

MORTALITY IN YOUNG TURKEYS ASSOCIATED WITH TRICHO MONIASIS, 76.

- FIG. 1. Section of cecum showing masses of trichomonads, 77.
 FIG. 2. Section of cecum. Crypts filled with trichomonads, 78.

BOVINE ENCEPHALOMYELITIS IN MEXICO, 81.

- FIG. 1. Cow down with encephalomyelitis, 81.
 FIG. 2. Another case of bovine encephalomyelitis, 82.

FOREIGN BODIES IN THE GASTRO-INTESTINAL TRACT OF THE DOG, 83.

- FIG. 1. X-ray photograph showing foreign body (portion of rubber bone) in stomach of dog, 84.

PORTRAIT, DR. C. U. DUCKWORTH, 92.

ARTIFICIAL INSEMINATION, 126.

- FIG. 1. Equipment used in artificial insemination, 136.

HYPERSENSITIVITY IN DOMESTIC ANIMALS, 139.

- FIG. 1. Precipitin production. Response of rabbit to single injection of horse serum, 142.
 FIG. 2. Precipitin production. Response of previously sensitized rabbit to single injection of horse serum. Secondary response, 143.

OBSERVATIONS ON PENDULOUS CROP IN TURKEYS, 154.

- FIG. 1. An eight-month-old female turkey with a pendulous crop of about five months duration, 155.
 FIG. 2. Section of a pendulous crop showing thickening and ulceration of the mucous membrane, 157.

COMMON WARTS (*PAPILLOMATA*) IN GOATS, 175.

- FIG. 1. Wart on face, 176.
 FIG. 2. Wart on point of shoulder, 177.
 FIG. 3. Section from goat wart, 178.
 FIG. 4. Section from cattle wart, 179.

TRAUMATIC SPLENITIS WITH POSTOPERATIVE PYEMIA, 180.

- FIG. 1. The spleen divided longitudinally; then in turn, this half was divided approximately in the center and each piece placed side by side, 181.
 FIG. 2. A closer view of the upper right-hand part of figure 1, 182.

PORTRAIT, DR. A. J. PISTOR, 215.

THE NECESSITY FOR CONTINUING TUBERCULOSIS CONTROL AND ERADICATION ACTIVITIES IN MODIFIED ACCREDITED AREAS, 338.

- FIG. 1. Graph showing percentage of tuberculosis infection in Wisconsin on the initial area test and the general area retests, 343.

MS. L. 610/57

ACID-FAST ORGANISMS FOUND IN SO-CALLED BUMBLEFOOT OF CHICKENS, 386.

- FIG. 1. Lesions in pads of chicken feet containing acid-fast microorganisms, 387.
 FIG. 2. Interdigital lesions which contained acid-fast microorganisms, 388.
 FIG. 3. Acid-fast microorganisms resembling *Mycobacterium tuberculosis* (avium) in stained preparation from bumblefoot of chicken, 390.

FOWL-POX VIRUS VACCINATION OF DAY-OLD CHICKS, 397.

- FIG. 1. Method of vaccinating day-old chicks, 399.
 FIG. 2. Needle used for vaccinating day-old chicks (enlarged), 404.
 FIG. 3. Graph showing weight gains and mortality in fowl-pox vaccination of day-old chicks compared with non-vaccinated controls, 406.
 FIG. 4. Graph showing results of vaccination of day-old chicks against fowl-pox compared with results in control chicks vaccinated at the age of 56 days, 407.
 FIG. 5. Graph showing results of the vaccination of day-old chicks against fowl-pox compared with results in control chicks vaccinated at the age of 22 days, 409.
 FIG. 6. Graph showing results of vaccination of day-old chicks against fowl-pox compared with results in control chicks vaccinated at the age of 22 days, 410.

MEGACOLON (HIRSCHSPRUNG'S DISEASE) IN A DOG: REPORT OF A CASE, 451.

- FIG. 1. The first roentgenogram, 456.
 FIG. 2. The second roentgenogram, made about a month after surgical removal of fecoliths, 457.
 FIG. 3. The third roentgenogram, 458.

PORTRAIT, DR. EDWARD C. JOSS, 531.

PHOTOGRAPH, DINNER IN HONOR OF DR. G. E. TOTTEN, AUDITORIUM HOTEL, CHICAGO, ILL., MARCH 12, 1936, 533.

PORTRAIT, DR. B. W. CONRAD, 563.

PHOTOGRAPH, AIR VIEW OF COLUMBUS CIVIC CENTER, 586.

A SURVEY OF THE INCIDENCE OF BRUCELLA IN PASTEURIZED AND UNPASTEURIZED MARKET MILK IN ILLINOIS, 614.

- FIG. 1. Source of milk samples examined for *Brucella abortus*, 1933-34, 621.

KINKY TAIL IN CATTLE, 630.

- FIG. 1. X-ray of the tail of a three-week-old calf showing complete fusion and incomplete fusion of two coccygeal vertebrae, 630.
 FIG. 2. Single crook in the tail of a four-week-old heifer calf, 631.
 FIG. 3. Double crook in the tail of a four-month-old bull calf, 631.
 FIG. 4. The appearance of the coccygeal vertebrae removed by surgical operation from a seven-month-old calf, 631.

ENCEPHALITIS IN HORSES, 636.

- FIG. 1. An affected horse, showing lethargic symptoms, 637.
 FIG. 2. A longitudinal section of a cerebral hemisphere of a horse, showing a softened area in its anterior portion, 638.
 FIG. 3. A section of horse brain showing discrete hemorrhages, 639.
 FIG. 4. A section of horse brain stem showing a focus of round cells, 639.
 FIG. 5. A section of horse brain showing marked "cuffing" of a blood-vessel, 640.
 FIG. 6. A section of brain (cerebrum) of a guinea pig inoculated with filtrate of a horse brain, 640.

PHOTOGRAPH, EAST BROAD STREET, COLUMBUS, 655.

PORTRAIT, DR. E. M. RANCK, 678.

PORTRAIT, DR. GEORGE H. BERNIS, 682.

PORTRAIT, DR. THOMAS EDWARD MUNCE, 685.

INTESTINAL EMPHYSEMA IN SWINE, 714.

- FIG. 1. Showing gas-filled and partly organized (red) vesicles, 719.
 FIG. 2. Showing two types of vesicles and subserous emphysema with ruptured and atrophied major muscle layers, 720.
 FIG. 3. Pedicle tissue and walls of cysts becoming filled with blood due to stasis, 721.

FIG. 4. A red cyst almost completely filled with blood, connective tissue, newly formed blood-vessels due to stasis resulting from twisting of the pedicle, 722.

FIG. 5. Giant-cell formation in subserosal tissue and pedicle tissue, 722.

FIG. 6. Small intestine showing emphysematous formations in all parts of the wall, 724.

FIG. 7. Mesenteric lymph-node showing emphysematous process, 725.

EPITHELIAL DIVERTICULA IN THE LARGE INTESTINE OF SWINE, 732.

FIG. 1. An epithelial diverticulum in which the "nodule" is entirely composed of epithelium and a small amount of the *lamina propria*, 733.

FIG. 2. A markedly dilated epithelial diverticulum in the submucosa of the colon that is discharging its contents into the lumen of the gut, 734.

FIG. 3. An epithelial diverticulum undergoing necrosis and liquefaction, 735.

OBSERVATIONS ON THE USE OF BULBOCAPNINE AS A SOPORIFIC IN HORSES, 737.

FIG. 1. Attitude of a horse under bulbocapnine action, 752.

CHOLELITHIASIS IN DOGS, 758.

FIG. 1. Distended, firm gall-bladder and the greenish-black stones removed from it, 759.

FIG. 2. Distended gall-bladder with gall-stones showing hypertrophy of mucosa, 760.

A NEW DILUTION BOTTLE FOR BACTERIA COUNTS, 761.

FIG. 1. Two sizes of dilution bottle for bacteria counts, 762.

AN ACANTHOCEPHALID PARASITIC IN A CALF, 764.

FIG. 1. Acanthocephalid attached to intestinal mucosa of calf, 765.

PHOTOGRAPH, STUDENTS OF THE SCHOOL OF VETERINARY MEDICINE, A. & M. COLLEGE OF TEXAS, 1935-36, 781.

PORTRAIT, DR. T. E. SMITH, 792.

PORTRAIT, DR. CHARLES HENRY STANGE, 798.

PORTRAIT, DR. F. L. KILBORNE, 804.

INDEX OF SUBJECTS

Abstracts:

- Actinomycosis, The Pathogenesis of. Recovery of actinomyces-like organisms from the normal mouth, 768.
- Adrenalectomy and Hypophysectomy upon Experimental Diabetes in the Cat, The Effects of, 770.
- Allantoin, a Constituent of Maggot Excretions, Stimulates Healing of Chronic Discharging Wounds, 190.
- Autolyzing Tissue, The Role of Bacteria in, 653.
- Brucella Abortus* and *Brucella Suis*, Studies on the Bactericidal Action of Bovine Whole Blood and Serum Towards, 653.
- Brucella Abortus* for White Mice, The Pathogenicity of, 522.
- Brucella* Cells, The Chemical Separation and Biological Activity of the Polysaccharide Constituent in, 522.
- Brucella*, Studies on the Extraction of a Precipitable Substance from the Genus, 654.
- Brucella Suis*, On Natural Antibodies in the Rabbit and Hereditary Resistance to Infections of, 86.
- Calliphoridae Concerned in the Production of Myiasis in Domestic Animals, Menard County, Texas, Species of, 87.
- Calmette-Guerin* and the H37 Strain of Tubercle Bacillus, Intracerebral Inoculation of Fetal Guinea Pigs with *Bacillus*, 767.
- Carbohydrates to *Trypanosoma Equipercum* Metabolism, Further Observations on the Relation of Certain, 185.
- Chloroleukemia in the Rat, Spontaneous Leukemia and, 767.
- Corneal Reactions of Normal and Tuberculous Guinea Pigs to Tuberculo-Protein and Tuberculo-Phosphatide, 190.
- Coryza of the Domestic Fowl, Studies on an Uncomplicated, V. A coryza of slow onset, 772. VI. Coccobacilliform bodies in birds infected with the coryza of slow onset, 772.
- Diabetes in the Cat, The Effects of Adrenalectomy and Hypophysectomy upon Experimental, 772.
- Electric Charge of Mammalian Red Blood Cells, The, 771.
- Encephalomyelitis, Active Immunization of Guinea Pigs with the Virus of Equine. I. Quantitative experiments with various preparations of active virus, 650.
- Flora of Monkeys and Dogs During Digestion and Following the Direct Introduction of Food Substances into the Cecum and into Isolated Segments of the Bowel, Intestinal, 189.
- Fowl-Coryza Bacillus, Cultural Requirements of the, 653.
- Gastrointestinal Tract, Invasion of the Body Tissues by Orally Ingested Bacteria and the Defensive Mechanism of the, 185.
- Gene in Jersey Cattle, A Lethal, 89.
- Gestation Period of the Rabbit, Observations on the, 187.
- Glucose Tolerance of the Dog, The Influence of Diet on the, 523.
- Hookworm Infection of Dogs, Further Observations on Prenatal, 88.
- Hypophysectomy upon Experimental Diabetes in the Cat, The Effects of Adrenalectomy and, 770.
- Inflammation, Studies on. XI. Invasiveness and virulence in relation to resistance, 654.
- Influenza as Determined by Ultrafiltration, The Sizes of the Viruses of Human and Swine, 652.
- Influenza, The Susceptibility of Swine to the Virus of Human, 519.
- Influenza Virus in Swine, The Distribution of Swine, 186.
- Laryngotracheitis in the Bursa of Fabricius and Cloaca of Chickens after "Intrabursal" Injection, The Survival of the Virus of, 86.
- Laryngotracheitis, Some Studies of Infectious. The Continued Propagation of the Virus upon the Chorio-Allantoic Membrane of Hen's Egg, 521.
- Leukemia and Chloroleukemia in the Rat, Spontaneous, 767.
- Maggot Excretions, Stimulates Healing of Chronic Discharging Wounds, Allantoin, a Constituent of, 190.
- Malarial Parasite Infecting All Blood and Blood-Forming Cells of Birds, A, 189.
- Mastitis, Comparative Observations on Streptococci from Human Gastrointestinal Ulcerations and from Bovine, 768.
- Milk as a Possible Excretory Source of the Anterior Pituitary-like Hormone, Cow's, 185.
- Moniezia expansa*, II. Persistence of the pasture stage of. Tapeworm Studies, 186.
- Mycobacterium Tuberculosis*, Effectiveness of Hot Hypochlorites of Low Alkalinity on Destroying, 519.
- Myiasis in Domestic Animals, Menard County, Texas, Species of Calliphoridae Concerned in the Production of, 87.
- Nitrogen Balance and the Coefficient of Digestibility, The Effect of the Ingestion of Saline Waters upon the pH of the Intestinal Tract, the, 524.
- Nutrition, Studies on Bacterial. II. The distribution of a growth-stimulating factor in animal and plant tissues, 769.

- Ovarian Extracts, The Effects of Injection of Residual, 88.
- Parathormone Tolerance in Dogs, 769.
- Pasteurella Tularensis*, Studies of the Cultural Characteristics of, 188.
- Pituitary-like Hormone, Cow's Milk as a Possible Excretory Source of the Anterior, 185.
- Pneumococci Type III from the Blood into the Thoracic Duct Lymph of Rabbits and the Survival of These Organisms in the Lymph Following Intravenous Injection of Specific Antiserum, The Emigration of, 187.
- Polysaccharide Constituent in *Brucella* Cells, The Chemical Separation and Biological Activity of the, 522.
- Pregnancy Urine Administration to Female Swine, Effects of, 88.
- Pseudorabies (Infectious Bulbar Paralysis, Mad Itch), Studies on. III. The disease in the Rhesus monkey, *Macaca Mulatta*, 652.
- Psittacosis Virus, Observations Bearing on the Antigenic Composition of, 770.
- Rabbit-Pox, Studies on the Etiology of. I. Isolation of a filtrable agent; its pathogenic properties, 520. II. Clinical characteristics on the experimental induced disease, 521. III. Tests on the relation of rabbit-pox virus to other viruses by crossed inoculation and exposure experiments, 651. IV. Tests on the relation of rabbit-pox virus to other viruses by serum neutralization experiments, 651. V. Studies on species susceptibility to rabbit-pox virus, 771.
- Rachitogenic Property of Oats and Corn, The Comparative, 524.
- Saline Waters upon the pH of the Intestinal Tract, the Nitrogen Balance and the Coefficient of Digestibility, The Effect of the Ingestion of, 524.
- Saliva, On the Group Specific "A" Substance in Horse, 520.
- Salivary Gland Virus of Mice, The Visceral Lesions Produced in Mice by the, 650.
- Salmonella Aertrycke* Isolated from Pigeons, A Serological Variant of, 188.
- Salmonella Pullorum*, Variations of, 769.
- Streptococci from Human Gastro-Intestinal Ulcerations and from Bovine Mastitis, Comparative Observations on, 768.
- Synovial Fluid, The Significance of the Cellular Variations Occurring in Normal, 188.
- Toxocara Cati*, On the Resistance of the Cat to Superimposed Infection with the Ascarid, 87.
- Trichomonas Columbae* in the Chicken, Experimental Lesion Caused by, 522.
- Trichomonas Felis* from Cats and *Trichomonas Hominis* from Man, Absence of Pathogenicity in Cats Infected with, 186.
- Trichomonas Foetus* Infection in Cattle, Cultural and Microscopic Diagnosis of, 523.
- Trichomonas Hominis* from Man, Absence of Pathogenicity in Cats Infected with *Trichomonas Felis* from Cats and, 186.
- Trypanosoma Equiperdum* Metabolism, Further Observations on the Relation of Certain Carbohydrates to, 185.
- Tubercle Bacilli Subjected to a Vacuum of High Order, The Survival of, 86.
- Tubercle Bacilli Within Phagocytes in Vitro, The Destruction of the, 655.
- Tubercle Bacillus, Intracerebral Inoculation of Fetal Guinea Pigs with *Bacillus Calmette-Guerin* and the H37 Strain of, 767.
- Tuberculo-Protein and Tuberculo-Phosphatide, Corneal Reactions of Normal and Tuberculous Guinea Pigs to, 190.
- Ultrafiltration, The Sizes of the Viruses of Human and Swine Influenza as Determined by, 652.
- Vacuum of High Order, The Survival of Tubercle Bacilli Subjected to a, 86.
- Wrytail in Jersey Cattle, Inheritance of, 89.
- Army Veterinary Service:**
- Changes Relative to Veterinary Officers, 90, 192, 439, 526, 656, 775.
- Examination, Veterinary Corps, 441, 530, 657, 777.
- Association News:**
- American Veterinary Medical Association:*
- Applications for Membership, 7, 115, 221, 446, 572, 696.
- Executive Board Elections, 7, 220, 445, 568, 694.
- Organization of the American Veterinary Medical Association, 1935-1936, 94.
- Proceedings of the Seventy-second Annual Meeting:*
- Minutes of Sectional Meetings, 658.
- Résumé of Minutes of Meeting of Executive Board, 660.
- Financial Report of Treasurer, 664.
- U. S. Live Stock Sanitary Association:*
- Address of the President, 233.
- Communication, 238.
- Election of Officers, 437.
- Installation of Officers, 437.
- Memorial for Drs. C. A. Cary, Marion Dorset and William Henry Welch, 241.
- Opening Address, 225.
- Reports:**
- Bang's Disease, Committee on, 273.
- Legislation, Committee on, 434.
- Meat and Milk Hygiene, Committee on, 298.

Miscellaneous Transmissible Diseases, Committee on, 374.
 Parasitic Diseases, Committee on, 421.
 Resolutions, Committee on, 434.
 Secretary-Treasurer, Financial Statement of, 240.
 Tick Eradication, Committee on, 431.
 Transmissible Diseases of Poultry, Committee on, 392.
 Transmissible Swine Diseases, Committee on, 337.
 Tuberculosis, Committee on, 360.
 Unification of Laws and Regulations, Committee on, 433.

Other Meetings:

Arkansas Veterinary Medical Association, 543.
 Central New York Veterinary Medical Association, 99.
 Central Ohio Veterinary Medical Association, 103.
 Colorado Veterinary Medical Association, 546.
 Connecticut Veterinary Medical Association, 549.
 Delaware Veterinary Medical Association, 671.
 East Central (Iowa) Veterinary Association, 789.
 Genesee Valley Veterinary Medical Association, 675.
 Houston Veterinary Association, 548, 674.
 Illinois State Veterinary Medical Association, 205, 550.
 Intermountain Livestock Sanitary Association, 537.
 Louisiana Veterinary Medical Association, 786.
 Maine Veterinary Medical Association, 204, 537, 676.
 Manitoba, Veterinary Association of, 548.
 Massachusetts Veterinary Association, 100.
 Miami Valley Veterinary Medical Association, 103.
 Minnesota State Veterinary Medical Society, 535.
 Mississippi State Veterinary Medical Association, 544.
 Nebraska State Veterinary Medical Association, 101.
 Nevada State Veterinary Association, 547.
 New Jersey, Veterinary Medical Association of, 540.
 New York City, Veterinary Medical Association of, 199, 544, 674, 787.
 North Carolina State Veterinary Medical Association, 552.
 North Central Iowa Veterinary Medical Association, 788.
 Northwestern Ohio Veterinary Medical Association, 675.

Ohio State Veterinary Medical Association, 203.
 Oklahoma Veterinary Medical Association, 199.
 Pennsylvania Conference of Veterinarians, University of, 202.
 Saint Louis District Veterinary Medical Association, 205.
 South Carolina Association of Veterinarians, 673.
 Southeastern Wisconsin Veterinary Association, 103.
 Tennessee Veterinary Medical Association, 543.
 Texas, State Veterinary Medical Association of, 541.
 Vermont Veterinary Medical Association, 204.
 Western New York Veterinary Medical Association, 101.

Births.....217, 564, 689

Book Reviews:

Hemodynamométrie et Nouvelles Méthodes d'inscription de la Pression Sanguine—Les Injections Intra-Artérielles (Hemodynamometry and New Methods of Recording Blood Pressure—Intra-Arterial Injections), 514.
 Médecine Vétérinaire, Histoire de la, 644.
 Medicine and Hygiene, Preventive, 648.
 Parasites, Control of Animal, 773.
 Pathologisch-Anatomische Diagnostik an Tierleichen, mit Anleitung zum Sezieren (Gross Pathology of Domestic Animals with Directions for Carrying Out a Necropsy), 516.
 Physiology of Domestic Animals, The, 773.
 Viandes de Boucherie Technique Systématique de l'inspection des (Systematic Technic of Meat Inspection), 517.

Clinical and Case Reports:

Acanthocephalid Parasitic in a Calf, An, 764.
 Bottle for Bacteria Counts, A New Dilution, 761.
 Cancer in Domestic Animals, 641.
 Cholelithiasis in Dogs, 758.
Diectophyme Renale, Another Specimen of, 184.
 Dog, Foreign Bodies in the Gastro-Intestinal Tract of the, 83.
 Eclampsia in the Bitch, Mechanical Treatment for, 766.
Eimeria Canis, Natural and Experimental Infections of Dogs, with, 756.
 Encephalitis in Horses, 636.
 Encephalomyelitis in Mexico, Bovine, 81.

Lesions in Cattle, Skin, 74.
 Myiasis in Wounds of Domestic Animals by the Use of "Bone Oil," The Prevention of, 628.
 Pericardium in Dogs, Absence of the, 755.
 Salmonella Isolated from Baby Quail, 763.
 Splenitis with Postoperative Pyemia, Traumatic, 180.
 Tail in the Cattle, Kinky, 630.
 Trichomoniasis, Mortality in Young Turkeys Associated with, 76.
 Tuberculosis in a Herd of Hogs with One Hundred per cent Mortality, 632.
 Twins in a Cow, Mummified, 75.
 Warts (Papillomata) in Goats, Common, 175.

Commencements:

Ontario Veterinary College, 782.
 Alabama Polytechnic Institute, 783.
 Kansas State College, 783.

Communication:

Louisiana Waives Membership Fee, 198.

Editorials:

Ahead, Looking, 567.
 Allen to the Executive Board, Doctor, 115.
 Appointments, 220.
 Columbus, a Center of Culture, 446.
 Columbus an Industrial Hub, 694.
 Columbus the Gateway City, 570.
 Columbus Members Organize, 6.
 Conference, No Ohio, 220.
 Convention Dates, 115.
 Cornell, New Veterinary Laboratory Building for, 695.
 Deaths, 445.
 Done, What Shall Be, 4.
 Flynn Making the Rounds, President, 3.
 Graduates, 691.
 Guard States the Facts, Mr., 443.
 Hobday to Be Retired, Professor, 693.
 Leclainche Writes a Book, Professor, 570.
 Improvement, 219.
 Lone Star State Accredited, 445.
 Move in the Right Direction, A, 113.
 Murray Acting Dean, Doctor, 695.
 Postgraduate Work for Veterinarians, 2.
 Senators Discuss Canned Dog Foods, 692.
 Stange Dies Suddenly, Dean, 570.
 Suggestion to Our State Associations, A, 1.

Tuberculosis Runs True to Form, 114.
 Vaccines Against Hog Cholera, New, 111.

Examinations, State Board 450, 577, 700

Examination, U. S. Civil Service, 474

International Veterinary Congress, Twelfth:

Finance Committee, Report of, 666.
 Treasurer, Report of, 667.

Marriages 217, 689

Meetings, Coming Veterinary 9, 117, 223, 449, 575, 698

Miscellaneous:

Animal Hospital Association, American, 488.
 Arkansas-Oklahoma Meeting, 552.
 Bang's Disease, Imported Cattle Must Be Free from, 23.
 Broadcasting Program, New York, 93.
 Bureau Transfers, 31, 125, 530, 657.
 California Makes Important Change, 92.
 Chapin Succeeds Doctor Dorset, Robert M., 85.
 Chappel Award for Distinguished Service, 571.
 Connecticut Makes It 39, 571.
 Cornell University Honor Day, 784.
 Dog Week, Objects of National, 174.
 Durrett Returns to Old Post, Doctor, 65.
 Egg Production Increasing, 44.
 1884—1905—1920—1936, 627.
 Eradication of Bang's Disease, 779.
 Erratum, 665.
 Foxes in Wisconsin, Silver, 153.
 Francis Celebrates 73rd Birthday, Dean, 780.
 Gorgas Memorial Laboratory, Report of, 778.
 Guernseys to Alaska, Purebred, 61.
 Hall Goes to National Institute of Health, Doctor, 534.
 Hogs, The Outlook for, 23.
 Horse, Publicizing the, 153.
 Iowa and Montana Accredited, 91.
 Iowa Clinic, Eastern, 670, 708.
 Joss Heads Meat Inspection Service, Doctor, 531.
 JOURNAL Office, Visitors at the, 85.
 KSAS Speaking, Station, 125.

- K. S. C. Recognition Day, 783.
 Languages, Printed in Ten, 73.
 Massachusetts Membership in the A. V. M. A., 197.
 Matsuba Visits Chicago, Professor, 665.
 Milk for Chicago, Grade A, 125.
 Mohler on the Air, Doctor, 777.
 Montana Accredited, Iowa and, 91.
 New York Meeting at Buffalo, 766.
 New York Membership in the A. V. M. A., 44.
 Ohio Membership in the A. V. M. A., 623.
 Ohio 1936 Year Book, 665.
 Phi Zeta, 513.
 Poultry, Artificial Breeding of, 153.
 Poultry Inspection, Chicago Requires, 790.
 Purebred Horses Imported, 31.
 Rabies in Illinois and Michigan, 731.
 R. C. V. S. a Practitioner, New President of, 197.
 Record? Is This a, 125.
 Schoening Made an Assistant Chief, Doctor, 534.
 Screw Worm on the Increase in the South, 774.
 Serum Marketing Agreement, Hearing on, 31.
 Shoot, Teaching the Young Idea How to, 138.
 South Dakota, Good Work, 627.
 Specialists Exchange Views, Arthritis, 65.
 States Reach Goal, Four More, 197.
 Totten Feted by Chicago B. A. I. Force, Doctor, 532.
 Vetalbumnus, 779.
 Weakness, Proofs of Our, 89.
 Wildlife, Research on, 44.
 Williams Celebrates 80th Birthday, Doctor, 502.
- Necrology:**
- Anderson, I. A., 683.
 Barnett, J. Flue, 208.
 Bauer, Sr., Gustave, 802.
 Berns, George H., 681.
 Boilore, Napoleon L., 801.
 Britt, Thomas Rufus, 683.
 Brown, Sr., James R., 688.
 Buck, Floyd L., 680.
 Burtram, Eli L., 106.
 Busher, Walter Howard, 206.
 Butterfield, Orlin F., 802.
 Cain, Patrick, 796.
 Carl, Louis Walker, 687.
 Carter, R. W., 211.
 Chapman, Everett A., 105.
 Clancy, Joseph B., 559.
 Cleveland, Harry R., 795.
 Conrad, Burton W., 563.
 Corkery, Timothy William, 211.
 Corn, Samuel, 680.
 Criswell, D. W., 442.
 Danner, Howard, 108.
 Davis, Emmett T., 795.
 Diller, Laroy L., 801.
 Doerr, John, 105.
 Dowd, Gerald Roderick, 558.
 Evans, Claude D., 206.
 Evans, William Morris, 206.
 Exsted, Harry H., 679.
 Ferguson, Walter, 210.
 Fess, Frank J., 560.
 Fickensher, Harry J., 802.
 Fisher, Carl W., 106.
 Foos, Arthur C., 802.
 Galbraith, Alister Russell, 209.
 Garrett, George Matlack, 207.
 Gelbert, Charles Saladin, 213.
 Gibbons, Augustine J., 213.
 Hancock, Henry J., 556.
 Hanson, Karl Burchard, 212.
 Harrington, Daniel Wallace, 207.
 Harrison, Richard, 794.
 Hicks, Thomas H., 793.
 Hough, Louis Herbert, 796.
 Howarth, John Albert, 803.
 Jolly, Charles R., 555.
 Kilborne, Fred Lucius, 803.
 Kutzenberger, Louis J., 796.
 Langford, W. E., 442.
 Lape, George H., 562.
 Lawrence, Henry Nightingale, 561.
 Logan, Walter A., 208.
 Matson, F. Howard, 557.
 McClure, E. B., 558.
 McCrank, John A., 793.
 McKenzie, Wraith H., 688.
 McNeal, Frank J., 560.
 McPherson, James E., 107.
 Miller, Ralph K., 209.
 Mitchell, Harry Bartle, 561.
 Moore, John Dudley, 554.
 Mummert, Charles M., 211.
 Munce, Thomas Edward, 684.
 Murray, Sylvester James, 105.
 Nitta, Prof. Naoshi, 689.
 O'Hara Rugius T., 679.
 Orr, Levi Franklin, 680.
 Parker, Basal C., 557.
 Piatt, Daniel A., 215.
 Pistor, Adolph J., 215.
 Purdy, Marion Alexander, 557.
 Ragsdale, Otis E., 108.
 Ranck, Edward Martin, 677.
 Reeder, Walter C., 107.
 Rich, Frank Abiram, 553.
 Rydell, Oscar, 687.
 Schoenleber, F. S., 214.

- Schueler, Otto R., 209.
 Scott, Mrs. Joseph P., 109.
 Smith, Thomas Emmett, 791.
 Stange, Charles Henry, 797.
 Stillwell, John David, 109.
 Sutter, Erroll, 207.
 Symns, William E., 207.
 Taylor, William F., 104.
 Timmermann, Herman J., 801.
 Travis, William C., 556.
 Tuttle, C. D., 679.
 Tyler, Alexander, 795.
 Vandermeer, Cecil, 210.
 Wagner, Charles Arthur, 104.
 Walsh, Ernest J., 208.
 Weller, Emil Emanuel, 562.
 Wilkinson, William H., 562.
 Wolters, Henry O., 554.
 Wright, Charles M., 559.
 Young, George R., 794.
- Papers:**
- Acid-Fast Bacteria Obtained from Cattle, Observations on Certain Unidentified, 166.
 Acid-Fast Organisms Found in So-Called Bumblefoot of Chickens, 386.
 Agglutination, The Significance of Low-Titre, 242.
 Anaplasmosis Transmission by Three Species of Ticks in California, 500.
 Anemia, Observations on Complement-Fixation with Distilled Water-Spleen Antigen in Equine Infectious, 624.
 Bang's Disease Control in Oregon, 253.
 Bang's Disease Project, The General Progress of the Coöperative, 249.
 Bang's Disease Project, The Results of Retests in the Federal, 258.
 Birds, The Care and Treatment of Caged, 709.
 Broomweed (*Gutierrezia Microcephala*) for Sheep, Cattle and Goats, The Toxicity of, 55.
Brucella Abortus from the Blood of Dogs in Experimental Brucellosis, Attempts to Isolate, 51.
Brucella Infection in Bulls with Results of Conjunctival and Skin Exposures to Bovine and Porcine Strains, A Study of the Channels of, 24.
Brucella in Pasteurized and Unpasteurized Market Milk in Illinois, A Survey of the Incidence of, 614.
 Brucellosis, Attempts to Isolate *Brucella Abortus* from the Blood of Dogs in Experimental, 51.
 Bulbocapnine as a Soporific in Horses, Observations on the Use of, 737.
 Bumblefoot of Chickens, Acid-Fast Organisms Found in So-Called, 386.
 Calculi in Animals, A Consideration of Urinary, 66.
 Community Sales, a Factor in the Spread of Swine Diseases, 334.
 Crop in Turkeys, Observations on Pendulous, 154.
 Cyanophoric Plants as Animal Intoxicants, Sudan Grass and Other, 489.
Demodex Folliculorum (Canis), Its Diagnosis and Treatment, 460.
 Dextrose Therapy in Canine Medicine, 578.
 Diverticula in the Large Intestine of Swine, Epithelial, 732.
 Dysentery in Iowa from a Field Standpoint, Swine, 299.
 Emphysema in Swine, Intestinal, 714.
 Encephalomyelitis in the United States, The Present Status of Infectious Equine, 363.
 Erysipelas Infection in Turkeys, An Outbreak of Acute Swine, 475.
 Erysipelas—with Particular Reference to Serological Diagnosis, Swine, 310.
 Fowl Leukemia, Hemocytoblastosis and Its Relation to the Development of Fowl Paralysis and, 45.
 Fowl Paralysis and Fowl Leukemia, Hemocytoblastosis and Its Relation to the Development of, 45.
 Fowl Paralysis, Lymphocytoma and, 600.
 Fowl-Pox, Studies on the Egg-Propagated Viruses of Infectious Laryngotracheitis and, 587.
 Fowl-Pox Virus Vaccination of Day-Old Chicks, 397.
 Fowl Typhoid in Turkeys, Pullorum Disease in Turkeys with Some Reference to, 375.
 Gastro-Enteritis in Dogs, 701.
 Hemocytoblastosis and Its Relation to the Development of Fowl Paralysis and Fowl Leukemia, 45.
 (Hirschsprung's Disease) in a Dog: Megacolon, Report of a Case, 451.
 Hormone Therapy in Domestic Animals, Reproductive, 12.
 Hypersensitivity in Domestic Animals, 139.
 Insemination, Artificial, 126.
 Johne's Disease, a Menace to the Cattle Industry, 352.
 Laryngotracheitis, 413.
 Laryngotracheitis and Fowl - Pox, Studies on the Egg-Propagated Viruses of Infectious, 587.
 Leukosis, Fowl, 32.
 Lymphocytoma and Fowl Paralysis, 600.
 Mastitis, Bovine, 289.
 Mastitis, The Diagnosis of, 468.
 Meat Inspection in North America, Parasites of Importance in, 282.
 Meat Inspection, Uniform, 119.
 Megacolon (Hirschsprung's Disease) in a Dog: Report of a Case, 451.

- Milk in Illinois, A Survey of the Incidence of *Brucella* in Pasteurized and Unpasteurized Market, 614.
- Ovary of the Bovine Function More Frequently than the Left?, Does the Right, 62.
- Parasites of Importance in Meat Inspection in North America, 282.
- Planning for the Future in Veterinary Medicine, 503.
- Pullorum Disease in Turkeys, with Some Reference to Fowl Typhoid in Turkeys, 375.
- Sudan Grass and Other Cyanophoric Plants as Animal Intoxicants, 489.
- Public Health Program, The Role of the Veterinarian in, 275.
- Ticks in California, Anaplasmosis Transmission by Three Species of, 500.
- Tuberculosis Control and Eradication Activities in Modified Accredited Areas, The Necessity for Continuing, 338.
- Tuberculosis-Eradication Work, The Progress and Status of Coöperative, 347.
- Turkeys, An Outbreak of Acute Swine Erysipelas Infection in, 475.
- Typhus—an Anemia of Dogs, Canine, 706.
- Vaccination of Day-Old Chicks, Fowl-Pox Virus, 397.
- Vesicular Exanthema of Swine, 316.
- Veterinarians Are Doing Today, What, 173.
- Personals**.....110, 217, 565, 613, 689
- Publications Received**..191, 525, 649.

